NEW MEXICO
ENVIRONMENT DEPARTMENT

Harold Runnels Building
1190 Saint Francis Drive, PO Box 5469
Santa Fe, NM 87502-5469
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Michelle Lujan Grisham
Governor

Howie C. Morales
Lt. Governor

James C. Kenney
Cabinet Secretary Designate

Jennifer J. Pruett
Deputy Secretary

Certified Mail - Return Receipt Requested

July 2, 2019

Mr. Kirk Patten
Chief of Fisheries Division
State of New Mexico
Department of Game & Fish
P.O. Box 25112
Santa Fe, New Mexico 87504

RE: Seven Springs State Fish Hatchery; Minor; Individual Permit; SIC 0921; NPDES Compliance Evaluation Inspection; NPDES # NM0030112; June 5, 2019

Dear Mr. Patten:

Enclosed please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the Federal Clean Water Act.

Introduction, treatment scheme, and problems noted during this inspection are discussed in the Further Explanations section of the inspection report.

You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

David Long
US Environmental Protection Agency, Suite 1200
Enforcement Branch (6EN-WS)
1445 Ross Avenue
Dallas, Texas 75202-2733

Sarah Holcomb, Program Manager
New Mexico Environment Department
Surface Water Quality Bureau
Source Regulation Section
P.O. Box 5469
Santa Fe, New Mexico 87502

Seven Springs State Fish Hatchery
July 2, 2019

If you have any questions about this inspection report, please contact Daniel Valenta at (505) 827- 2575 or at Daniel.Valenta@state.nm.us.

Sincerely,

/s/Sarah Holcomb

Sarah Holcomb
Surface Water Quality Bureau

Cc. Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail
David Long, USEPA (6EN-WM) by e-mail
Amy Andrews, USEPA (6EN-WM) by e-mail
David Esparza, USEPA (6EN-WM) by e-mail
Darlene Whitten-Hill, USEPA (6EN-WC) by e-mail
John Rhoderick, NMED District I by e-mail
Nancy Williams, USEPA (6EN-WC) by e-mail
Samantha Ferguson, NMG&F by e-mail

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

1	Transaction Code	2	3	NPDES	11	12	yr/mo/day	17	18	Inspec. Type	19	Inspector	20	Fac Type
	N	5	N	NM0003011 2			190605			C		S		2

Remarks: STATE FISH HATCHERY

67	Inspection Work Days	69	70	Facility Evaluation Rating	71	BI	72	QA	73	74	75	Reserved
	001		4			N		N				Minor

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time /Date	Permit Effective Date
STATE OF NEW MEXICO, DEPARTMENT OF GAME & FISH/ SEVEN SPRINGS STATE FISH HATCHERY, FROM FENTON LAKE APPROXIMATELY 2 MILES NORTH ON 126, P.O. BOX 25112, SANTA FE, NM 87504 SANDOVAL COUNTY	1100/6-5-2019	4-1-2019
	Exit Time/Date 1314/6-5-2019	Permit Expiration Date 3-31-2024

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)
TONY JACOBSON, HATCHERY MANAGER, 575-829-3740/ fax 575-829-3740
JEFF LASKIE, ASSISTANT MANAGER, 575-829-3740/ fax 575-829-3740

Other Facility Data

OUTFALL 001 35 55 33.70 N
106 42 21.18 W

OUTFALL 002 35 55 34.42 N
106 42 17.82 W

SIC Code 0921

Name, Address of Responsible Official/Title/Phone and Fax Number

KIRK PATTEN/ CHIEF-FISHERIES DIVISION/ STATE OF NEW MEXICO, DEPARTMENT OF GAME & FISH, P.O. BOX 25112, SANTA FE, NEW MEXICO 87504, 505-476-8055

Contacted: Yes [ ] No [*]

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	M	Flow Measurement	S	Operations & Maintenance	N	CSO/SSO
S	Records/Reports	M	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

1. SEE REPORT AND NARRATIVE.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
DANIEL J. VALENTA /s/Daniel Valenta	NMED/SWQB 505-827-2575	7/1/2019
Signature of Management QA Reviewer	**Agency/Office/Phone and Fax Numbers**	**Date**
JENNIFER FOOTE /s/Jennifer Foote	NMED/SWQB 505-827-0596	7/1/2019

Seven Springs State Fish Hatchery	PERMIT NO. NM0030112

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS ☒ S ☐ M ☐ U ☐ NA (*FURTHER EXPLANATION ATTACHED NO)*
DETAILS:

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE ☒ Y ☐ N ☐ NA

2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES ☒ Y ☐ N ☐ NA

3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT ☒ Y ☐ N ☐ NA

4. ALL DISCHARGES ARE PERMITTED ☒ Y ☐ N ☐ NA

SECTION B - RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. ☒S ☐ M ☐ U ☐ NA (*FURTHER EXPLANATION ATTACHED Yes)*
DETAILS:

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs. ☒Y ☐ N ☐ NA

2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE. ☒ S ☐ M ☐ U ☐ NA

a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING ☒ Y ☐ N ☐ NA

b) NAME OF INDIVIDUAL PERFORMING SAMPLING ☒ Y ☐ N ☐ NA

c) ANALYTICAL METHODS AND TECHNIQUES ☒ Y ☐ N ☐ NA

d) RESULTS OF ANALYSES AND CALIBRATIONS. ☒ Y ☐ N ☐ NA

e) DATES AND TIMES OF ANALYSES. ☒ Y ☐ N ☐ NA

f) NAME OF PERSON(S) PERFORMING ANALYSES. ☒ Y ☐N ☐ NA

3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE. ☒ S ☐ M ☐ U ☐ NA

4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR. ☒ S ☐ M ☐ U ☐ NA

5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA. ☒ Y ☐ N ☐ NA

SECTION C - OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. ☒ S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED NO)* DETAILS:

1. TREATMENT UNITS PROPERLY OPERATED. ☐ S ☐ M ☐ U ☒ NA

2. TREATMENT UNITS PROPERLY MAINTAINED. ☐ S ☐ M ☐U ☒ NA

3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED . **Standby Generator Available** ☒ S ☐ M ☐ U ☐ NA

4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE. ☒ S ☐ M ☐ U ☐ NA

5. ALL NEEDED TREATMENT UNITS IN SERVICE ☐ S ☐ M ☐ U ☒ NA

6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED. ☐ S ☐ M ☐U ☒ NA

7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED. ☐ S ☐ M ☐ U ☒ NA

8. OPERATION AND MAINTENANCE MANUAL AVAILABLE. ☒ Y ☐ N ☐ NA
STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED. ☒ Y ☐ N ☐ NA
PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED. ☒Y ☐ N ☐NA

Seven Springs State Fish Hatchery	PERMIT NO. NM0030112

SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR?	☐ Y ☒ N ☐ NA
IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED?	☐ Y ☐ N ☒ NA
HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?	☐ Y ☐ N ☒ NA
10.HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT?	☐ Y ☐ N ☒ NA
IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?	☐ Y ☐ N ☒ NA

SECTION D - SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. ☐ S ☒ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED Yes).*
DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT.	☒ Y ☐ N ☐ NA
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.	☒ Y ☐ N ☐ NA
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT.	☐ Y ☐ N ☒ NA
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT.	☒ Y ☐ N ☐ NA
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT. **WET test required before June 30**	☒ Y ☐ N ☐ NA
6. SAMPLE COLLECTION PROCEDURES ADEQUATE	☒ Y ☐ N ☐ NA
a) SAMPLES REFRIGERATED DURING COMPOSITING.	☐ Y ☐ N ☒ NA
b) PROPER PRESERVATION TECHNIQUES USED.	☐ Y ☒ N ☐ NA
c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3.	☒ Y ☐ N ☐ NA
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT?	☐ Y ☐ N ☒ NA

SECTION E - FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS. ☐ S ☒ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED Yes)*
DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.	☒ Y ☐ N ☐ NA
TYPE OF DEVICE **Flow is monitored by measurement of flow over weir.**	
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.	☒ Y ☐ N ☐ NA
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED.	☐ Y ☐ N ☒ NA
4. CALIBRATION FREQUENCY ADEQUATE.	☐ Y ☒ N ☐ NA
RECORDS MAINTAINED OF CALIBRATION PROCEDURES.	☐ Y ☒ N ☐ NA
CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.	☐ Y ☒ N ☐ NA
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE.	☒ Y ☐ N ☐ NA
6. HEAD MEASURED AT PROPER LOCATION.	☒ Y ☐ N ☐ NA
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES.	☒ Y ☐ N ☐ NA

SECTION F – LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED No)*
DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED *(40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)*	☒ Y ☐ N ☐ NA

Seven Springs State Fish Hatchery	Permit No. NM0030112

SECTION F - LABORATORY (CONT'D)

2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED ☐ Y ☐ N ☒ NA

3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. ☒ S ☐ M ☐ U ☐ NA

4. QUALITY CONTROL PROCEDURES ADEQUATE. ☒ S ☐ M ☐ U ☐ NA

5. DUPLICATE SAMPLES ARE ANALYZED. 10 % OF THE TIME. ☒ Y ☐ N ☐ NA

6. SPIKED SAMPLES ARE ANALYZED. 0 % OF THE TIME. ☐ Y ☒ N ☐ NA

7. COMMERCIAL LABORATORY USED. ☒ Y ☐ N ☐ NA

LAB NAME Huther & Associates, Inc. Whole Effluent Toxicity Scientific Laboratory Division TSS

LAB ADDRESS 1156 North Bonnie Brae 700 Camino de Salud, NE

PARAMETERS PERFORMED Denton, Texas 76201 Albuquerque, NM 87196

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. ☒ S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED NO).*

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	no	no	no	no	no	White/gray	
002	no	no	no	no	no	White/grey	

RECEIVING WATER OBSERVATIONS **Discharge appeared to have a white/grey color. Settling ponds appeared the same.**

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. ☐ S ☐ M ☐ U ☒ NA *(FURTHER EXPLANATION ATTACHED NO).*
DETAILS:

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY. ☐ S ☐ M ☐ U ☒ NA

2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. ☐ S ☐ M ☐ U ☒ NA

3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: _____ (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

SECTION I - SAMPLING INSPECTION PROCEDURES *(FURTHER EXPLANATION ATTACHED NO___).*

1. SAMPLES OBTAINED THIS INSPECTION. ☐ Y ☒ N ☐ NA

2. TYPE OF SAMPLE OBTAINED

GRAB _____ COMPOSITE SAMPLE ___ METHOD _____ FREQUENCY

3. SAMPLES PRESERVED. ☐ Y ☐ N ☒ NA

4. FLOW PROPORTIONED SAMPLES OBTAINED. ☐ Y ☐ N ☒ NA

5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. ☐ Y ☐ N ☒ NA

6. SAMPLE REPRESENTATIVE OF VOLUME AND MATURE OF DISCHARGE. ☐ Y ☐ N ☒ NA

7. SAMPLE SPLIT WITH PERMITTEE. ☐ Y ☐ N ☒ NA

8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED. ☐ Y ☐ N ☒ NA

9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. ☐ Y ☐ N ☒ NA

Compliance Evaluation Inspection
Seven Springs State Fish Hatchery
NPDES Permit #NM0030112, July 5, 2019

Introduction

On June 5, 2019 a Compliance Evaluation Inspection (CEI) was conducted at the State of New Mexico/Seven Springs State Fish Hatchery located 2 miles north of Fenton Lake, New Mexico by Daniel Valenta and Sandra Gabaldon of the New Mexico Environment Department (NMED). The Seven Springs State Fish Hatchery has a average flow of 0.8238 MGD, and is classified as a minor industrial discharger under the federal Clean Water Act, Section 402 National Pollutant Discharge Elimination System (NPDES) permit program and is assigned permit # NM0030112.

This permit allows discharges to receiving waters named Rio Cebolla, thence to the Jemez River, thence to the Rio Grande, in Segment No. 20.6.4.108 NMAC of the Rio Grande Basin. Designated uses of Water Quality Segment 20.6.4.108 are domestic water supply, fish culture, high quality coldwater aquatic life, irrigation, livestock watering, wildlife habitat and secondary contact.

The NMED performs a certain number of CEI's for the U.S. Environmental Protection Agency (USEPA) each year. The purpose of this inspection is to provide USEPA with information to evaluate the permittee's compliance with the NPDES permit. This report is based on review of files maintained by the permittee and NMED, on-site observation by NMED personnel, and verbal information provided by the permittee's representatives.

An entrance interview was conducted with Mr. Jeff Laskie Assistant Manager, at approximately 1100 hours on June 5, 2019. The inspectors made introductions, presented their credentials and discussed the purpose of the inspection. An exit interview to discuss the preliminary findings of this inspection was conducted at approximately 1314 hours on June 5, 2019 with Mr. Laskie at the hatchery office.

Treatment Scheme

On site are two kids fishing ponds and one solids sediment pond. The water source for this hatchery is from natural springs, which flow through the facility to the kids ponds or to the settling pond thence to the Rio Cebolla. Nitrogen gas is flushed from the incoming spring water and oxygen added. The Facility has two permitted outfalls. Outfall 001 is a square weir box that flows to the settling pond and then to the Rio Cebolla. Or the water can be channeled to the kids fishing ponds and then to the Rio Cebolla, outfall 002.

The facility only raises small Rio Grande cutthroat fingerlings for stocking. The mature brood stock is kept in large tanks with circulating water in enclosed shelters. The hatchery is responsible for production and distribution of native Rio Grande cutthroat trout, the New Mexico's State Fish. The estimated annual rate of production is around 4,000 pounds. The trout are hatched out at the facility and released to the wild as young trout. Although not listed as threatened or endangered, the Rio Grande cutthroat trout is considered a candidate for federal protection under the Endangered Species Act. Ongoing restoration efforts by the Department of Game and Fish are focused on expanding existing populations and keeping the popular game fish off endangered species lists. The Rio Grande cutthroat inhabits about 84 streams in northern New Mexico. Its occupied habitat is about 11 percent of its historic range.

Compliance Evaluation Inspection
Seven Springs State Fish Hatchery
NPDES Permit #NM0030112, June 5, 2019

Further Explanations

Section D – Self-Monitoring "Marginal"

Section III.C.5.A: Overall rating of "Marginal" MONITORING PROCEDURES

Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this pemit or approved by the Regional Administrator.

Table FS1000-4
40 CFR Part 136 TABLE II: Required Containers, Preservation Techniques, and Holding Times*
Applicable to **all** Non-Potable Water Samples (includes wastewater, surface water, and groundwater)

Parameter No./Name (refers to parameter number on Tables IA,B, C, D,E, F, G & H as noted)	**Container**[1]	**Preservation**[2, 3]
35. Mercury (CVAA)	P, FP, G	HNO_3 to pH<2
35. Mercury (CVAFS)	FP, G; and FP-lined cap	5 mL/L 12N HCl or 5 mL/L BrCl[17]
3, 5–8, 12, 13, 19, 20, 22, 26, 29, 30, 32–34, 36, 37, 45, 47, 51, 52, 58–60, 62, 63, 70– 72, 74, 75. Metals, except boron, chromium VI, and mercury.	P, FP, G	HNO_3 to pH<2, or at least 24 hours prior to analysis[19]
Table IB—Inorganic Tests (continued):		
38. Nitrate	P, FP, G	Cool, ≤6 °C[18]
39. Nitrate-nitrite	P, FP, G	Cool, ≤6 °C[18], H_2SO_4 to pH<2
40. Nitrite	P, FP, G	Cool, ≤6 °C[18]
41. Oil and grease	G	Cool, ≤6 °C[18], H2SO4 to pH<2
42. Organic Carbon	P, FP, G	Cool, ≤6 °C[18] H_2SO_4, or H_3PO_4 to pH<2.
44. Orthophosphate	P, FP, G	Cool, ≤6 °C[18], [24]
46. Oxygen, Dissolved Probe	G, Bottle and top	None required.
47. Winkler	G, Bottle and top	Fix on site and store in dark
48. Phenols	G	Cool, ≤6 °C[18], H_2SO_4 to pH<2
49. Phosphorous (elemental)	G	Cool, ≤6 °C[18]
50. Phosphorous, total	P, FP, G	Cool, ≤6 °C[18], H_2SO_4 to pH<2
53. Residue, total	P, FP, G	Cool, ≤6 °C[18]
54. Residue, Filterable	P, FP, G	Cool, ≤6 °C[18]
55. Residue, Nonfilterable (TSS)	P, FP, G	Cool, ≤6 °C[18]
56. Residue, Settleable	P, FP, G	Cool, ≤6 °C[18]
57. Residue, Volatile	P, FP, G	Cool, ≤6 °C[18]
61. Silica	P or Quartz	Cool, ≤6 °C[18]
64. Specific conductance	P, FP, G	Cool, ≤6 °C[18]
65. Sulfate	P, FP, G	Cool, ≤6 °C[18]
66. Sulfide	P, FP, G	Cool, ≤6 °C[18], add zinc acetate plus sodium hydroxide to pH>9

Compliance Evaluation Inspection
Seven Springs State Fish Hatchery
NPDES Permit #NM0030112, June 5, 2019

Finding:

The permit requires sampling and testing for TSS be completed twice a month. Per 40 CFR 136 the sample must be cooled and kept at less than 6 degree Celsius until the sample is tested. If the sample is not kept at less than 6 degree Celsius it becomes an invalid sample and cannot be used for NPDES requirements. See samples submitted in January and March of 2019 attachment 1.

Flow Measurement: Overall rating of "Marginal"

Permit requires, in Part III.C.6

"Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than 10% from true discharge rate throughout the range of expected discharge volumes."

Finding:

Discharge is measured at Outfall 001using a 1.88 meter Contracted Rectangular Weir. Outfall 002 uses a.97 meter Contracted Rectangular Weir. To measure the head at each of these a ruler is placed at an installed bench behind the weir. To ensure the weir is still operating as designed a zero calibration should be performed if possible to ensure the measurement bench has not been disturbed and the weir is still level.

NMED/SWQB
Official Photograph Log

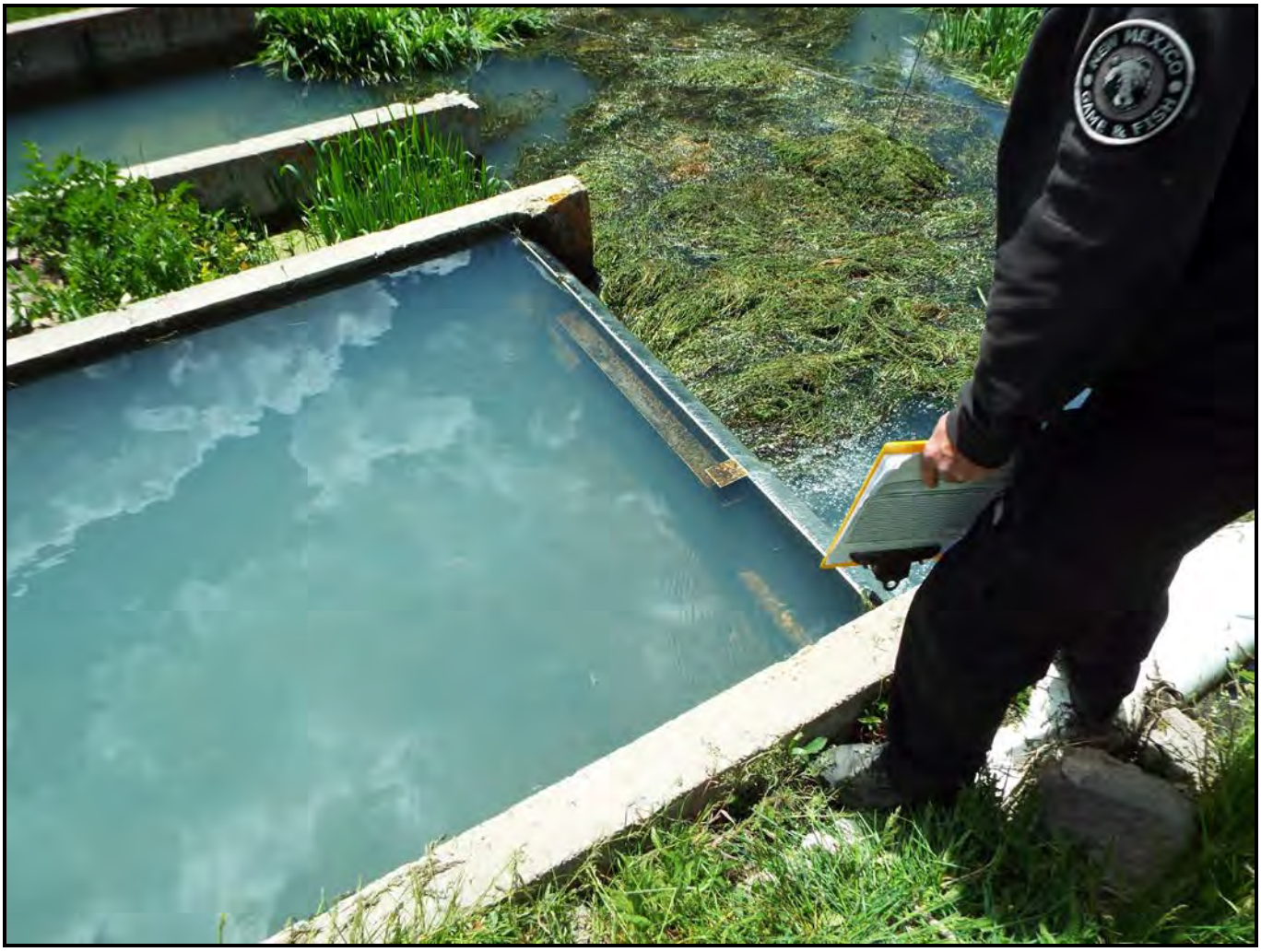
Photo # 1

Photographer: Daniel Valenta	Date: June 5, 2019	Time: 1214 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314,		
Subject: Brood stock tanks.		

NMED/SWQB
Official Photograph Log

Photo # 2

Photographer: Daniel Valenta	Date: Jun5, 2019	Time: 1221 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314,		
Subject: Outfall 001		



NMED/SWQB
Official Photograph Log

Photo # 3

Photographer: Daniel Valenta	Date: Jun5, 2019	Time: 1218 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314,		
Subject: Settling pond next to the Rio Cebolla.		

NMED/SWQB
Official Photograph Log

Photo # 4

Photographer: Daniel Valenta	Date: Jun5, 2019	Time: 1229 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314,		
Subject: Fishing pond outfall to the Rio Cebolla..		

NMED/SWQB
Official Photograph Log

Photo # 5

Photographer: Daniel Valenta	Date: Jun5, 2019	Time: 1233 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314,		
Subject: The Rio Cebolla.		

Attachment 1

NEW MEXICO DEPARTMENT OF HEALTH

CHEMISTRY BUREAU
Scientific Laboratory Division
1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000

ANALYTICAL REQUEST FORM (INTERACTIVE)

F Request ID Label Fl#199 2522930 — One Form Per Sample

One Form Per Sample — CHEMISTRY WC 2019007007

LAB USE>>> ONLY — DATE <<<TIME STAMP: 2019 MAR 20 AM 11:57

Sample Temperature (°C): 11.3 | Remarks:

☐ Field preservation confirmed | ☐ Preserved to pH < 2 at Lab | Date/Initial:

SUBMITTER CODE/DESCRIPTION: SSH Seven Springs Hatchery | SAMPLE PRIORITY (call lab if 1 / 2): 3

○ USER CODE 30120 (ABCWUA) ○ 55000 (NMED-DWB) ○ 55410 (NMED-GWQB) ○ 64000 (Individual client fee-for-service) ○ 55910 (NMED-SWQB)

○ OTHER USER CODE (Select one): 70402 NM Game & Fish - Fed. Grant

SAMPLER NAME (Last): Laskie (First): Jeff | SAMPLER ID #: | CONTACT PHONE #: 575-829-3740

WSS ID # (xxnnnnnnn): | WSS NAME:

FACILITY/LOCATION: 001 | FACILITY ID: | SAMPLING PT. ID:

☐ New / Change Address for Submitter ----------> Name:

☐ New / Change Address for WSS / Client ----------> Address, with ZIP:

☐ Attention To: ---------->

FIELD DATA AND REMARKS: ◉ Non-chlorinated ○ Chlorinated | Residual (mg/l): | pH: | Conductivity (µS/cm): | Temperature (°C)

Field remarks:

SAMPLING DOCUMENTATION: ☐ NMED monitoring ☐ Compliance ☐ Pb & Cu - Compliance ☐ Non-compliance ☐ Split with facility ☒ Grab sample ☐ Confirmation ☐ Composite ☐ Other, Describe:

SAMPLE TYPE: ○ Water ○ Finished water ○ Filtered water ◉ Non-filtered water ○ Raw Water ○ Soil/Sediment ○ Sludge ○ Swipe/Smear ○ Air sample ○ Blood ○ Tissue ○ Urine ○ Filter ○ Other, Describe:

PRESERVATION OR ACID/BASE ADDED: ☒ None ☐ Lab to acidify ☐ Shipped at < 4 C ☐ Hydrochloric acid ☐ Nitric acid ☐ Sulfuric acid ☐ Ascorbic acid ☐ Maleic acid ☐ Sodium thiosulfate ☐ Ammonium chloride ☐ Sodium hydroxide ☐ Other, Describe:

A&M ANALYSES LIST	
WC ANALYSES LIST	TSS (SM 2540D Total Suspended Solids - TSS)
OR ANALYSES LIST	
RC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	

DATE COLLECTED (MM-DD-YY): 03-20-19 | TIME COLLECTED (HH:MM 24-hr): 08:29

Please use this **CHAIN OF CUSTODY FORM** to record transfer

	On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal. By (print): Jeff Laskie Signed:	☐	☐	☒	☐
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal. By (print): Susan Thomson Signed: Date: Time:	☐	☐	☒	☐
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal. By (print): Signed: Date: Time:	☐	☐	☐	☐

Print Form

SLD DCS Form 104 version 6.1 (April 2018)

Reset Form

NEW MEXICO DEPARTMENT OF HEALTH | CHEMISTRY BUREAU | ANALYTICAL REQUEST FORM (INTERACTIVE)

REQUEST ID Label R#181 2522111 — One Form Per Sample

Scientific Laboratory Division
1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000

One Form Per Sample

Lab Accession CHEMISTRY WC 2019000097

LAB USE ONLY	DATE/TIME STAMP: 2019 JAN -3 AM 11:27	Sample Temperature (°C): 8.1	Remarks: Neutral-F	
		☒ Field preservation confirmed	☐ Preserved to pH < 2 at Lab	Date/Initial: JAN 03 2019

SUBMITTER CODE/DESCRIPTION:	SSH Seven Springs Hatchery					SAMPLE PRIORITY (call lab if 1 / 2):	3
○ USER CODE 30120 (ABCWUA)	○ 55000 (NMED-DWB)	○ 55410 (NMED-GWQB)	○ 64000 (individual client fee-for-service)	○ 55910 (NMED-SWQB)			
○ OTHER USER CODE (Select one):	70402 NM Game & Fish - Fed. Grant						
SAMPLER NAME (Last):	Kosalko	(First): Joe	SAMPLER ID #:		CONTACT PHONE #:	575-829-3740	
WSS ID # (xxnnnnnnn):		WSS NAME:					
FACILITY/LOCATION:	002	FACILITY ID:		SAMPLING PT. ID:			
☐ New / Change Address for Submitter ---------->	Name:						
☐ New / Change Address for WSS / Client ---------->	Address, with ZIP:						
☐ Attention To: ---------->							

FIELD DATA AND REMARKS	◉ Non-chlorinated	○ Chlorinated	Residual (mg/l):		pH:		Conductivity (µS/cm):		Temperature (° C)		
	Field remarks:										
SAMPLING DOCUMENTATION	☐ NMED monitoring	☐ Compliance	☐ Pb & Cu - Compliance	☐ Non-compliance	☐ Split with facility	☒ Grab sample					
	☐ Confirmation	☐ Composite	☐ Other, Describe:								
SAMPLE TYPE	○ Water	○ Finished water	○ Filtered water	◉ Non-filtered water	○ Raw Water	○ Soil/Sediment	○ Sludge				
	○ Swipe/Smear	○ Air sample	○ Blood	○ Tissue	○ Urine	○ Filter	○ Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	☒ None	☐ Lab to acidify	☐ Shipped at < 4 C	☐ Hydrochloric acid	☐ Nitric acid	☐ Sulfuric acid	☐ Ascorbic acid	☐ Maleic acid			
	☐ Sodium thiosulfate	☐ Ammonium chloride	☐ Sodium hydroxide	☐ Other, Describe:							

A&M ANALYSES LIST	
WC ANALYSES LIST	TSS (SM 2540D Total Suspended Solids - TSS)
OR ANALYSES LIST	
RC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	

DATE COLLECTED (MM-DD-YY):	1-3-19	TIME COLLECTED (HH:MM 24-hr):	0815

Please use this CHAIN OF CUSTODY FORM to record transfer

	On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....	☐	☒	☑	☐
By (print): Tony Jacobson Signed: TJ				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal	☐	☐	☒	☒
By (print): huck Gabbert Signed: CG Date: Time:				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....	☐	☐	☒	☐
By (print): JOSEPH PIERCE Signed: Date: JAN 03 2019 Time: 1534				

Print Form

SLD DCS Form 104 version 6.0 (March 2017)

Reset Form